

Figure 1A

Synthetic Oligonucleotide DNA Family Encoding
Anti-Green Fluorescent Protein Ribozymes

1)	5'	-CCAGCTC	C	TGA	TGA	GTC	CGT	GAG	GAC	GAA	ACCAGGA	-3'
	3'	-GGTCGAG	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TGGTCCT	-5'
2)	5'	-GGCCGTT	C	TGA	TGA	GTC	CGT	GAG	GAC	GAA	ACGTCGC	-3'
	3'	-CCGGCAA	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TGCAGCG	-5'
3)	5'	-CTCGCCG	C	TGA	TGA	GTC	CGT	GAG	GAC	GAA	ACACGCT	-3'
	3'	-GAGCGGC	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TGTGCGA	-5'
4)	5'	-GCAGATG	C	TGA	TGA	GTC	CGT	GAG	GAC	GAA	ACTTCAG	-3'
	3'	-CGTCTAC	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TGAAGTC	-5'
5)	5'	-TGGTCAC	C	TGA	TGA	GTC	CGT	GAG	GAC	GAA	AGGTGG	-3'
	3'	-ACCAAGT	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TCCCACC	-5'
6)	5'	-AGCGGCT	C	TGA	TGA	GTC	CGT	GAG	GAC	GAA	AGGCACT	-3'
	3'	-TCGCCGA	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TCCGTGA	-5'
7)	5'	-CATGGCG	C	TGA	TGA	GTC	CGT	GAG	GAC	GAA	ACTTGAA	-3'
	3'	-GTACCGC	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TGAACCT	-5'
8)	5'	-GCTCCTG	C	TGA	TGA	GTC	CGT	GAG	GAC	GAA	ACGTAGC	-3'
	3'	-CGAGGAC	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TGCATCG	-5'
9)	5'	-CGTCCTT	C	TGA	TGA	GTC	CGT	GAG	GAC	GAA	AAGAAGA	-3'
	3'	-GCAGGAA	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TTCTTCT	-5'

Figure 1B

Synthetic Oligonucleotide DNA Family Encoding
Anti-Green Fluorescent Protein Ribozymes

10)	5'	-CGCCCTC	C	TGA	TGA	GTC	CGT	GAG	GAC	GAA	AAC	TTC	A-3'
	3'	-GCGGGAG	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TTG	AAG	T-5'
11)	5'	-TGC	GGT	T	C	TGA	TGA	GTC	CGT	GAG	GAC	GAA	ACC
	3'	-ACG	CAA	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TGG	TCC
12)	5'	-CCT	CCT	T	C	TGA	TGA	GTC	CGT	GAG	GAC	GAA	AAG
	3'	-GG	AGG	A	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TTC
13)	5'	-GT	AGT	T	T	C	TGA	TGA	GTC	CGT	GAG	GAC	GAA
	3'	-CAT	CA	A	C	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT
14)	5'	-TG	AT	A	T	A	C	TGA	TGA	GTC	CGT	GAG	GAC
	3'	-ACT	AT	A	T	A	G	ACT	ACT	CAG	GCA	CTC	CTG
15)	5'	-GG	AT	C	T	T	C	TGA	TGA	GTC	CGT	GAG	GAC
	3'	-CCT	AG	A	G	A	G	ACT	ACT	CAG	GCA	CTC	CTG
16)	5'	-GG	T	C	G	C	C	TGA	TGA	GTC	CGT	GAG	GAC
	3'	-CC	AG	C	C	G	G	ACT	ACT	CAG	GCA	CTC	CTG
17)	5'	-GC	A	G	C	A	G	C	TGA	TGA	GTC	CGT	GAG
	3'	-CG	T	C	G	T	C	G	ACT	ACT	CAG	GCA	CTC
18)	5'	-C	A	G	G	G	C	C	TGA	TGA	GTC	CGT	GAG
	3'	-GT	C	C	C	C	C	G	ACT	ACT	CAG	GCA	CTC

Figure 1C

Synthetic Oligonucleotide DNA Family Encoding
Anti-Green Fluorescent Protein Ribozymes

19)	5'	-CCAGCAG	C	TGA	TGA	GTC	GTC	GAG	GAC	GAA	ACCATGT	-3'
	3'	-GGTCGTC	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TGGTACA	-5'
20)	5'	-CCATGCC	C	TGA	TGA	GTC	GTC	GAG	GAC	GAA	AGAGTGA	-3'
	3'	-GGTACGG	G	ACT	ACT	CAG	GCA	CTC	CTG	CTT	TCTCACT	-5'

A.

pGEM-Sca/Pvu
pGEM-oligo1/3

AGT ACT TTC GGC ATC ACT GCC TCA TCA GCA GCT GGG
AAG CTT TTC GGC ATC ACT GCC TCA TCA GGA ATT CGG

B.

pGEMEX-Sma/Kpn

GCC AGT ACC GAT GGA GGC AGT GAT GCC GAA CCC GGG GGC CCG
CGG TCA TGG GCT ACT CCG TCA CTA CGG CTT GGG CCC CCG GGC

pGEMEX-oligo2/3

CCG AAT TCC TGA TGA GGC AGT GAT GCC GAA AAG CTT GGC CCG
GGC TTA AGG ACT ACT CCG TCA CTA CGG CTT TTC GAA CCG GGC

Fig. 2

Clone 1: CGG GCC AAG CTT TTC GGC ATC ACT GCC TCA TCA GGA ATT CGG CCG CAT GCA
Clone 2: CGG GCC AAG CTT TTC GGC ATC ACT GCC TCA TCA GGA ATT CGG CCG CAT GCA
Clone 3: CGG GCC AAG CTT TTC GGC ATC ACT GCC TCA TCA GGA ATT CGG CCG CAT GCA
pGEMEX: CGG GCC CTC TAG ATG

Fig. 3

Clone 1: GGC CTG CAA AGC AGC TTT TCG GCA TCA CTG CCT CAT CAG GAA TTC GGC CTG CAT AAG CTT
Clone 2: GGC TG CAA AGC TTT TCG GCA TCA CTG CCT CAT CAG GAA TTC GGC CTG CAT AAG CTT
Clone 3: GGC CTG CAA AGC TTT TCG GCA TCA CTG CCT CAT CAG GAA TTC GGC CTG CAT AAG CTT
pGEMEX: GGC CGC A TG CAT AAG CTT

Fig. 4